AMENDMENT NO. 3 APRIL 2022

TO

IS 9798 : 2013 LOW PRESSURE REGULATORS FOR USE WITH LIQUEFIED PETROLEUM GAS (LPG) — SPECIFICATION

(Second Revision)

(*Page* 2, *clause* **4.3.2**) — Substitute 'The material shall not show change of more than 10 IRHD, when subjected to ageing of 72 h at 70 °C in accordance with the method A (low air speed) or method B (high air Speed) as prescribed in IS 3400 (Part 4).'

for

'The material shall not show change of more than 10 IRHD when subjected to ageing of 72 h at 70°C in accordance with the method prescribed in **3** or **4** of IS 3400 (Part 4).'

(*Page* 4, *clause* **5.5.3**) — Insert the following new clause:

'**5.5.4** The inlet sealing of the regulator with the self closing valve (SC valve as per IS 8737) shall be such that, it meets the requirement of the DPR inlet sealing test given in Annex K.'

(*Page* 11, *clause* **F-1**, *para* 1) — Substitute the following for the existing:

'The excess flow check valve is a device integral with the regulator which causes the shut off of the gas flow for values of flow rate above the rated capacity of the regulator.'

(*Page* 14, *clause* **5.5.4**, *Annex* J) — Insert the following new annexure:

‘ANNEX K

(*Clause* 5.5.4)

REGULATOR INLET SEALING TEST

K-1 The purpose of the test is to ensure that the flow of LPG does not take place from the regulator in case:

a) the regulator is in switched OFF condition; and
b) there is a leak from the SC valve fitted on the LPG cylinder.

K-2 The set up for this test shall include a test bench fitted with a SC valve body (without any internals simulating condition of SC valve leak). The inlet of this SC valve shall be provided with an air connection. The supply of air to the inlet of the SC valve shall be through an air pressure regulator. A pressure gauge shall be provided to read air pressure to the inlet of the SC valve.

K-3 A fully assembled regulator is placed on the SC valve as mentioned in **K-2** fitted onto the test bench. The regulator shall be kept in switched OFF position. The outlet of the regulator shall be connected to a small bubble indicator chamber using suitable tubing. Air is introduced into the regulator at a pressure of 0.5 kgf/cm^2 for a period not less than 30 s. Observe the bubble indicator chamber for appearance of bubbles. After completion of the test at 0.5 kgf/cm^2 (low pressure), the air pressure is increased to 17 kgf/cm^2 gradually and for a period not less than 30 s. Observe the bubble indicator chamber for appearance of bubbles. After completion of the test at 17 kgf/cm^2 (high pressure), the air supply to inlet is shut-off.

K-4 Appearance of bubbles in the bubble indicator chamber at low pressure test and high pressure test as mentioned in **K-3**, indicates that the inlet sealing of the regulator fails.

(MED 16)

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